

ELECTROKINETIC DELIVERY OF MEDICAMENTS

ABSTRACT OF THE DISCLOSURE

An electrokinetic delivery or diagnostic device for personal use and self-administration of a medicament to a treatment site is provided. The device includes a housing containing a power supply, a first active electrode and a ground tactile electrode. An applicator includes a pad for containing medicament for overlying the first electrode of the device. The medicament may be applied by the user to the pad, contained within the pad or contained in rupturable capsules within the pad, together with a hydrogel if necessary for imparting electrical conductivity whereby, upon application of the applicator to the treatment site, the medicament is electrokinetically transported into the treatment site. In another form, the applicator is self-contained, having a power supply, a first electrode overlying a pad and a ground electrode from the opposite side from the pad whereby the individual presses the pad against the treatment site to complete the electrical circuit and electrokinetically drive the medicament into the treatment site.